

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/02442

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>																				
IPC(7) : H04Q 7/24; H04J 3/22 US CL : 370/338,465																				
According to International Patent Classification (IPC) or to both national classification and IPC																				
<b>B. FIELDS SEARCHED</b>																				
Minimum documentation searched (classification system followed by classification symbols) U.S. : 370/338,465,401,352-356; 725/143,149,147,105,127																				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched																				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)																				
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>																				
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.																		
X	WO 02/091618 A1 (Shklarsky et al.) 1 May 2002 (01.05.2002), page 10-20, and figure 3.	10,13-16																		
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Y		1-17																		
Y	US 5073930 (Green et al.) 19 October 1989 (19.10.1989), col1 lines 30-36.	1-9																		
Y	US 6895310 B1 (Kolls) 3 April 2002 (03.04.2002), column 12 lines 6-19.	4-6, 8-9,11-12,17																		
<input type="checkbox"/> Further documents are listed in the continuation of Box C.		<input type="checkbox"/> See patent family annex.																		
<table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">* Special categories of cited documents:</td> <td style="width: 10%; text-align: center;">"T"</td> <td>later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</td> </tr> <tr> <td>"A" document defining the general state of the art which is not considered to be of particular relevance</td> <td style="text-align: center;">"X"</td> <td>document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</td> </tr> <tr> <td>"E" earlier application or patent published on or after the international filing date</td> <td style="text-align: center;">"Y"</td> <td>document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</td> </tr> <tr> <td>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</td> <td style="text-align: center;">"&amp;"</td> <td>document member of the same patent family</td> </tr> <tr> <td>"O" document referring to an oral disclosure, use, exhibition or other means</td> <td></td> <td></td> </tr> <tr> <td>"P" document published prior to the international filing date but later than the priority date claimed</td> <td></td> <td></td> </tr> </table>			* Special categories of cited documents:	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	"A" document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	"E" earlier application or patent published on or after the international filing date	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&"	document member of the same patent family	"O" document referring to an oral disclosure, use, exhibition or other means			"P" document published prior to the international filing date but later than the priority date claimed		
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Date of the actual completion of the international search	Date of mailing of the international search report																			
14 October 2005 (14.10.2005)	17 NOV 2005																			
Name and mailing address of the ISA/US	Authorized officer																			
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